## METHOD AND APPARATUS FOR REMOTELY DEBUGGING COMPUTER SOFTWARE OVER A SERIAL BUS

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Inventor(s):	CHRYSANTHAKOPOULOS GEORGIOS, FULLER JOHN NELS; RENERIS KENNETH S	HK1046968 (A1) EP1234235 (A2)
Applicant(s):	MICROSOFT CORP [US]	EP1234235 (B1) DE60009335 (T2)
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## Abstract of WO 0140940 (A2)

A method and apparatus is provided to debug computer software remotely over a serial bus (e.g., the IEEE 1394 bus) between a host computer and a target computer. A kernel debugger on the target computer announces its presence by periodically sending "announce" packets on the bus. A host debugger on the host computer receives the "announce" packets and suchast from them the physical address of a memory debugger is thereafter able to directly write debug requests into the target computer sending. On the kernel debugger is thereafter able to directly write debug requests into the target computer, and the kernel debugger on the target computer can service the debug requests by writing into target computer. The kernel debugger on the target computer services the debug requests by writing into certain the services of the services of the services of the services the debugger contrast to conventional techniques in which the target computer must transmit debug data to the host debugger, the host debugger to able to drectly retrieve such data over the serial bus. The invention produces no side effects to the serial bus, seeds.

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